



## Solid Edge Advanced Course Outline

The two-day, advanced Solid Edge course is designed for users who wish to improve their productivity with Solid Edge and are creating complex sheet metal parts, molded parts or castings. A familiarity with Solid Edge is assumed. Students work through representative labs after short lectures, while class sizes are kept small, providing a more effective learning environment.

### PLASTICS-CASTING DESIGN TOOLS

- Divide Part
- Local thinwall
- Web Network
- Adding draft
- Lip/groove

### ADVANCED SURFACING

- Lofted/swept protrusion
- Replace face
- Vertex Mapping

### CONSTRUCTION GEOMETRY

- Boolean operations
- 3D curves
- Intersections/projections
- Offset surfaces

### ROUNDING

- Variable
- Blends
- Roll along edge
- Consumed surfaces

### TRANSLATION

- IGES
- STEP

### TRANSLATION (continued)

- Parasolid
- DXF/DWG

### REFERENCE GEOMETRY

- Insert part copy
- Planes
- Coordinate systems

### ASSEMBLY MODELING

- Tangency connect relationships
- Using layout mode for associativity
- Using interpart copy for associativity
- Assembly reference planes
- Multipart cutout
- Kinematics and flyaround
- Cutaway views
- Variable table

### SHEET METAL

- Corner Miters
- Close Corner
- Lofted Flange

### DATA MANAGEMENT

- Where use function
- Copying/moving assemblies
- Reports
- Releasing documents